**IEEE 2888 Working Group**

**Meeting Minutes February 15th ~ 18th, 2021**

Session #6 Meeting, Video Conference

Chair: Kyoungro Yoon

Secretary: Sangkwon Peter Jeong

Meeting minutes are Written by Sangkwon Peter Jeong

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|  | **Monday****(Feb. 15, 2021)** | **Tuesday****(Feb. 16, 2021)** | **Wednesday****(Feb. 17, 2021)** | **Thursday****(Feb. 18, 2021)** | **Friday****(Feb. 19, 2021)** |
| **AM-1****9:00-10:30a** |  |  | TG 2888.4 Meeting(Topic:Input contribution documents review) | TG 2888.1 Meeting(Topic:Writing the Draft document) |  |
| **AM-2****11:00-12:30** |  | TG 2888.1 Meeting(Topic:Input contribution documents review) | TG 2888.4 Meeting(Topic:Input contribution documents review) | TG 2888.4 Meeting(Topic:Writing the Draft document) |  |
| **PM-1****1:30 – 3:00p** | Open PlenaryRoll CallReviewing last meeting minutes(Introducing participants | TG 2888.2 Meeting(Topic:Input contribution documents review) | TG 2888.3 Meeting(Topic:Input contribution documents review) | WG Meeting(Topic: TGs Summary) |  |
| **PM-2****3:30 – 5:00p** | WG Meeting(Topic: Future Schedule) |  |  | WG Closing Plenary |  |

\*\*\* Online Virtual Conference \*\*\*

## First Day PM1 (1:30pm-3:00pm), February 15, 2021: Online Video Conference

## IEEE 2888 WG Opening Plenary: Meeting is called to order at 1:30pm by Kyoungro Yoon, Chair of IEEE 2888 WG with opening notes

## Meeting is called to order at 1:30pm by Kyoungro Yoon, Chair of IEEE 2888 WG

## Roll Call

## Establish Quorum

## 8/9, quorum achieved

## IEEE 2888 Session #5 Opening Plenary Notes (2888-21-0001-00-0000- Session-6-WG-Opening-Plenary)

## All submitted documents can be found on https://ieee-sa.imeetcentral.com/2888-wg/

## Attendance procedures, logistics, breaks

## Duty to inform slides 1-4, etc.

## Request to make Intellectual Property declaration

## Introducing each attendant

## February 2021 Meeting Agenda (2888-21-0009-00-0000-Session-6-Agenda)

## Agenda bashing:

## Review meeting minutes of November 2021 (DCN: 2888-21-0002-00-0000-Session-5-WG-Meeting minutes)

## Motion #1: Meeting minutes confirm of November 2021 approve the ‘2888-21-0002-00-0000-Session-5-WG-Meeting minutes’

## Motioned by: Tae-Beom Lim

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Motion #2: Agenda confirm to approve the ‘2888-21-0009-01-0000-Session-06-Agenda

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Motion #3: Opening Plenary confirm to approve the ‘2888-21-0001-00-0000-Session-6-WG-Opening-Plenary

## Motioned by: Sangkwon Peter Jeong

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## First Day PM2 (3:30pm-5:00pm), February 15, 2021: Online Video Conference

## Session called to order by Kyoungro Yoon

## Present the ‘Web site modifying of the IEEE 2888 WG’

#### Sangkwon Peter Jeong Presented “Web site modifying of the IEEE 2888 WG” (DCN 2888-21-0012-00-0000-Web site modifying of the IEEE 2888 WG).

## Motion #4: Approve the ‘DCN 2888-21-0012-00-0000-Web site modifying of the IEEE 2888 WG’

## Motioned by: Sang-Kyun Kim

## Seconded by: HyeonWoo Nam

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day2 AM2 (11:00am-12:30pm), February 16, 2021: Online Video Conference

## Session called to order by Sang-Kyun Kim, Chair of IEEE 2888.1 TG

## Review & discuss on the document ‘Syntax and Semantics of Sensor Capability Base Type’

#### Sang-Kyun Kim presented “Syntax and Semantics of Sensor Capability Base Type” (DCN 2888-21-0004-00-0001)

## Motion #5: Approve the ‘DCN 2888-21-0004-00-0001-Syntax and Semantics of Sensor Capability Base Type’

## Motioned by: Tae-Beom Lim

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Syntax and Semantics of Location Related Sensor Capabilities’

#### Sang-Kyun Kim presented “Syntax and Semantics of Location Related Sensor Capabilities” (DCN 2888-21-0005-00-0001)

## Motion #6: Approve the ‘DCN 2888-21-0005-00-0001-Syntax and Semantics of Location Related Sensor Capabilities’

## Motioned by: Tae-Beom Lim

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree:7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Syntax and Semantics of Audio Video Sensor Capabilities’

#### Sang-Kyun Kim presented “Syntax and Semantics of Audio Video Sensor Capabilities” (DCN 2888-21-0006-00-0001)

## Motion #7: Approve the ‘DCN 2888-21-0006-00-0001-Syntax and Semantics of Audio Video Sensor Capabilities’

## Motioned by: Tae-Beom Lim

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 6

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day2 PM1 (1:30pm-3:00pm), February 16, 2021: Online Video Conference

## Session called to order by Sang-Kyun Kim, Chair of IEEE 2888.1 TG

## Review & discuss on the document ‘Syntax and Semantics of Environmental Sensor Capabilities’

#### Sang-Kyun Kim presented “Syntax and Semantics of Environmental Sensor Capabilities” (DCN 2888-21-0007-00-0001-Semantics Correction of Basic Structures for Sensor Data)

## Motion #8: Approve the ‘DCN 2888-21-0007-00-0001-Syntax and Semantics of Environmental Sensor Capabilities’

## Motioned by: Tae-Beom Lim

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day3 AM1 (9:00am-10:30am), February 17, 2021: Online Video Conference

## Session called to order by Jeonghwoan Choi, Chair of IEEE 2888.4 TG

## Review & discuss on the document ‘Standardization Action Plan for IEEE P2888.4’

#### Jeonghwoan Choi presented “Standardization Action Plan for IEEE P2888.4” (DCN 2888-21-0011-00-0004)

#### Discussed the overall standard content and standardization schedule, and the structure and operation direction of the system architecture to be covered in P2888.4.

#### Discussed that since more sensors in the Motion Tracking System of the system architecture can be added, the overall structural diagram needs to be modified.

#### Discussed the necessity of IoT Controll and changes in the system architecture.

#### Discussed the smooth progress of standardization work according to the action plan so that standard draft documents can be created by September 2022.

## Motion #9: Approve the ‘DCN 2888-21-0011-00-0004-Standardization Action Plan for IEEE P2888.4’

## Motioned by: HyeonWoo Nam

## Seconded by: Tae-Beom Lim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Large space VR disaster response training system architecture’

#### Jeonghwoan Choi presented “Large space VR disaster response training system architecture” (DCN 2888-21-0008-00-0004)

#### Discussed that since more sensors in the Motion Tracking System of the system architecture can be added, the overall structural diagram needs to be modified.

#### Discussed the necessity of IoT Controll and changes in the system architecture.

#### Discussed that there are many contributions and that the contents of the document should be well organized and reflected in the standard document.

## Motion #10: Approve the ‘DCN 2888-21-0008-00-0004-Large space VR disaster response training system architecture’

## Motioned by: Changseok Yoon

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Large Space VR Disaster Response Training System Framework’

#### Jeonghwoan Choi presented “Large Space VR Disaster Response Training System Framework” (DCN 2888-21-0013-00-0004)

#### Discussed that if the camera is limited to the Tracking System within the schematic of the system framework, the addition of additionally necessary sensors cannot be considered.

#### Discussed that it is necessary to additionally configure at least one use case for firefighting as well as gas for the use case of the system framework.

#### Discussed that there are many contributions and that the contents of the document should be well organized and reflected in the standard document.

## Motion #11: Approve the ‘DCN 2888-21-0013-02-0004-Large Space VR Disaster Response Training System Framework’

## Motioned by: Hyeonwoo Nam

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day3 AM2 (11:00am-12:30pm), February 17, 2021: Online Video Conference

## Session called to order by Jeonghwoan Choi, Chair of IEEE 2888.4 TG

## Review & discuss on the document ‘Definitions, acronyms, and abbreviations’

#### Sangkwon Peter Jeong presented “Definitions, acronyms, and abbreviations” (DCN 2888-21-0003-00-0004)

* + - * + Discussed additional term definitions required for VR systems covered in P2888.4.
				+ Discussed that the title of each section of the standard document can be changed according to the standard content to be filled.
				+ Discussed that there is a need for a chapter that organizes use cases for deriving standard requirements.

## Motion #12: Approve the ‘DCN 2888-21-0003-00-0004-Definitions, acronyms, and abbreviations’

## Motioned by: Changseok Yoon

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘2888-21-0010-01-0004-Definitions for IEEE 2888.4’

#### Jeonghwoan Choi presented “Definitions for IEEE 2888.4” (DCN 2888-21-0010-00-0004)

* + - * + Discussed additional term definitions needed for large spaces covered in P2888.4.
				+ Discussed that the title of each section of the standard document can be changed according to the standard content to be filled.
				+ Discussed that there is a need for a chapter that organizes use cases for deriving standard requirements.

## Motion #13: Approve the ‘DCN 2888-21-0010-01-0004-Definitions for IEEE 2888.4’

## Motioned by: Hyeonwoo Nam

## Seconded by: Sang-Kyun Kim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 AM1 (9:00am-10:30am), February 18, 2021: Online Video Conference

## Session called to order by Sang-Kyun Kim, Chair of IEEE 2888.1 TG

## Review & discuss on the document ‘IEEESTD-2888.1\_D0.3’

#### Sang-Kyun Kim proposed “IEEESTD-2888.1\_D0.3”

## Motion #14: Approve the ‘IEEESTD-2888.1\_D0.3’

## Motioned by: HyeonWoo Nam

## Seconded by: Tae-Beom Lim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 AM2 (11:00am-12:30pm), February 18, 2021: Online Video Conference

## Session called to order by Jeonghwoan Choi, Chair of IEEE 2888.4 TG

## Review & discuss on the document ‘IEEESTD-2888.4\_D0.2’

#### Jeonghwoan Choi proposed “IEEESTD-2888.4\_D0.2”

## Motion #15: Approve the ‘IEEESTD-2888.4\_D0.2’’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Changseok Yoon

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 PM1 (1:30pm-3:00pm), February 18, 2021: Online Video Conference

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888 WG

## Review & discuss on the document ‘2888.1-TG-Meeting-Summary’

#### Sang-Kyun Kim presented “2888.1-TG-Meeting-Summary” (DCN 2888-21-0015-00-0001)

## Motion #16: Approve the ‘DCN 2888-21-0015-01-0001-2888.1-TG-Meeting-Summary’

## Motioned by: Tae-Beom Lim

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Session #6 2888.3 TG Meeting Summary’

#### Kyoungro Yoon presented “Session #6 2888.3 TG Meeting Summary” (DCN 2888-21-0016-00-0003)

## Motion #17: Approve the ‘DCN 2888-21-0016-01-0003-Session #6 2888.3 TG Meeting Summary’

## Motioned by: HyeonWoo Nam

## Seconded by: Tae-Beom Lim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Review & discuss on the document ‘Session #6 2888.4 TG Meeting Summary’

#### HyeonWoo Nam presented “Session #6 2888.4 TG Meeting Summary” (DCN 2888-21-0019-00-0004)

## Motion #18: Approve the ‘DCN 2888-21-0019-01-0004-Session #6 2888.4 TG Meeting Summary’

## Motioned by: Tae-Beom Lim

## Seconded by: Sangkwon Peter Jeong

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Day4 PM2 (3:30pm-5:00pm), February 18, 2021: Online Video Conference

## Session called to order by Kyoungro Yoon, Chair of IEEE 2888 WG

## Review & discuss on the document ‘Session-6-WG-Closing-Plenary’

#### Kyoungro Yoon presented “Session-6-WG-Closing-Plenary” (DCN 2888-21-0017-00-0000)

## Motion #19: Approve the ‘DCN 2888-21-0017-01-0000-Session-6-WG-Closing-Plenary’

## Motioned by: Sangkwon Peter Jeong

## Seconded by: Tae-Beom Lim

#### Motion Vote:

#### For agree: 7

#### Against: 0

#### Abstentions: 0

#### Outcome: Approved

## Adjourn

## Attendees

|  |  |
| --- | --- |
| Name | Affiliation |
| Kyoungro Yoon | Konkuk University |
| Sang-Kyun Kim | Myoungji University |
| Sangkwon Peter Jeong | JoyFun Inc. |
| Taebeom Lim | Korea Electronics Technology Institute (KETI) |
| HyeonWoo Nam | Dongduk Women’s University |
| Jeonghwoan Choi | SKONEC ENTERTAINMENT CO LTD., |
| Changseok Yoon | Korea Electronics Technology Institute (KETI) |
| Shin Kim | Konkuk University |
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